

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DRAM CORE REFRESH WITH REDUCED SPIKE CURRENT the specification of which

(check one) _____ is attached hereto.

X was filed on October 9, 1998 as
Application Serial No. 09/169,376
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/061,767</u>	<u>October 10, 1997</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

Direct all telephone calls to Gary S. Williams at (650) 494-8700.
Address all correspondence to:

FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP
Suite 3400, Four Embarcadero Center
San Francisco, California 94111

File No. A-66014/GSW/WSG (P1500)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or

first inventor: Ely K. Tsern
Inventor's signature: *Ely K. Tsern*
Date: 12/12/98
Residence: Los Altos, California
Citizenship: United States
Post Office Address: 684 Riviera Drive
Los Altos, California 94024

Full name of second

inventor: Richard M. Barth
Inventor's signature: *Richard M. Barth*
Date: 12-22-98
Residence: Palo Alto, California
Citizenship: United States
Post Office Address: 787 Los Robles Avenue
Palo Alto, California 94306

Full name of third

inventor: Paul G. Davis
Inventor's signature: _____
Date: _____
Residence: San Jose, California
Citizenship: United States
Post Office Address: 2317 Rupert Drive
San Jose, California 95124

Full name of fourth

inventor:

Craig E. Hampel

Inventor's signature:

Craig E. Hampel

Date:

12/9/98

Residence:

San Jose, California

Citizenship:

United States

Post Office Address:

5927 Dunn Avenue

San Jose, California 95123

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DRAM CORE REFRESH WITH REDUCED SPIKE CURRENT the specification of which

(check one) is attached hereto.

 X was filed on October 9, 1998 as
Application Serial No. 09/169,376
and was amended on .
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/061,767</u>	<u>October 10, 1997</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

Direct all telephone calls to Gary S. Williams at (650) 494-8700.
Address all correspondence to:

FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP
Suite 3400, Four Embarcadero Center
San Francisco, California 94111

File No. A-66014/GSW/WSG (P1500)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or

first inventor: Ely K. Tsern

Inventor's signature: _____

Date: _____

Residence: Los Altos, California

Citizenship: United States

Post Office Address: 684 Riviera Drive

Los Altos, California 94024

Full name of second

inventor: Richard M. Barth

Inventor's signature: _____

Date: _____

Residence: Palo Alto, California

Citizenship: United States

Post Office Address: 787 Los Robles Avenue

Palo Alto, California 94306

Full name of third

inventor: Paul G. Davis

Inventor's signature: Paul G. Davis

Date: 1/26/99

Residence: San Jose, California

Citizenship: United States

Post Office Address: 2317 Rupert Drive

San Jose, California 95124

Full name of fourth

inventor: Craig E. Hampel

Inventor's signature: _____

Date: _____

Residence: San Jose, California

Citizenship: United States

Post Office Address: 5927 Dunn Avenue

San Jose, California 95123